ELSEVIER

Available online at www.sciencedirect.com

SCIENCE DIRECT®

Optics Communications 222 (2003) 429–434

OPTICS COMMUNICATIONS

www.elsevier.com/locate/optcom

Author index to volume 222

Agrawal, G.P., see Santhanam, J. 222 (2003) 413
Alsous, M.B., see Mukhopadhyay, P.K. 222 (2003) 399
Alvarez, E., H. Soto and J. Torres, Investigation of the carrier density dependence on the confinement factor in a bulk semiconductor optical amplifier with a ridge waveguide 222 (2003) 161
Amann, M.-C., see Riemenschneider, F. 222 (2003) 341
An, Y., see Zeng, X. 222 (2003) 137
Anderson, D., see Johannisson, P. 222 (2003) 107
Andrés, M.V., see Mora, J. 222 (2003) 221
Ashihara, S., J. Nishina, T. Shimura, K. Kuroda, T. Sugita, K. Mizuuchi and K. Yamamoto, Nonlinear refraction of femtosecond pulses due to quadratic and cubic nonlinearities in periodically poled lithium tantalate 222 (2003) 421
Atkins, S., B. Vodonos, A. Bekker and B. Fischer, Fractional dispersion-modes in a pulsed fiber laser 222 (2003) 393

Bao, X., see Lu, P. 222 (2003) 243
Bekker, A., see Atkins, S. 222 (2003) 393
Belkacem, Y., see Keffous, A. 222 (2003) 299
Benrakaa, N., see Keffous, A. 222 (2003) 299
Bjarklev, A., see Knudsen, E. 222 (2003) 155
Böhm, G., see Riemenschneider, F. 222 (2003) 341
Bor, Z., see Horváth, Z.L. 222 (2003) 51

Capmany, J., see Mora, J. 222 (2003) 221
Chai, L., see Wang, H. 222 (2003) 69
Chang, J.-W., see Cheng, D.-L. 222 (2003) 363
Chang, S., M. Rioux and C.P. Grover, Range face recognition based on the phase Fourier transform 222 (2003) 143
Chen, L., see Lu, P. 222 (2003) 243
Chen, C.-C., see Dung, J.-C. 222 (2003) 207
Cheng, D.-L., T.-C. Yen, J.-W. Chang and J.-K. Tsai, Generation of high-speed single-wavelength optical pulses in semiconductor lasers with orthogonal-polarization optical feedback 222 (2003) 363
Chergui, W., see Keffous, A. 222 (2003) 299
Cheriet, A., see Keffous, A. 222 (2003) 299
Chi, S., see Dung, J.-C. 222 (2003) 207
Choi, S. and K. Oh, A new LP_{02} mode dispersion compensation scheme based on mode converter using hollow optical fiber 222 (2003) 213
Cooper, L.J., see Soh, D.B.S. 222 (2003) 235

doi:10.1016/S0030-4018(03)01664-X

Crespo, H., see Mendonça, J.T. 222 (2003) 405
Cruz, J.L., see Mora, J. 222 (2003) 221

Dahmani, A., see Keffous, A. 222 (2003) 299
Dartora, C.A., M. Zamboni-Rached, K.Z. Nóbrega, E. Recami and H.E. Hernández-Figueroa, General formulation for the analysis of scalar diffraction-free beams using angular modulation: Mathieu and Bessel beams 222 (2003) 75
De Backer, A., J.C. Garreau, I.M. Razdobreev, P. Szriftgiser, I.V. Voroshilov, V.A. Lebedev and E.V. Stroganova, Laser performance of new crystal Cr^{3+}:(CeGd) $Sc_3(BO_3)_4$ 222 (2003) 351
Depeursinge, C., see Froehly, L. 222 (2003) 127
Dobrusin, V., see Lando, M. 222 (2003) 371
Duclère, J.R., see Rouède, D. 222 (2003) 289
Dung, J.-C., S. Chi and C.-C. Chen, Characteristics of the erbium doped fiber amplifier with polarization mode dispersion compensation 222 (2003) 207

fengping, Y., see Li, P. 222 (2003) 169
Fischer, B., see Atkins, S. 222 (2003) 393
Floriot, J., F. Lemarchand and M. Lequime, Double coherent solid-spaced filters for very narrow-bandpass filtering applications 222 (2003) 101
Fressengeas, N., see Wolfersberger, D. 222 (2003) 383
Froehly, L., S.N. Martin, T. Lasser, C. Depeursinge and F. Lang, Multiplexed 3D imaging using wavelength encoded spectral interferometry: a proof of principle 222 (2003) 127
Fujinoki, A., see Yoshida, H. 222 (2003) 257
Fujita, H., see Yoshida, H. 222 (2003) 257

Garreau, J.C., see De Backer, A. 222 (2003) 351
Gbur, G. and T.D. Visser, Coherence vortices in partially coherent beams 222 (2003) 117
George, J., see Mukhopadhyay, P.K. 222 (2003) 399
Gerginov, V. and C.E. Tanner, Fluorescence of a highly collimated atomic cesium beam: theory and experiment 222 (2003) 17
Ghosh, N., P.K. Gupta, H.S. Patel, B. Jain and B.N. Singh, Depolarization of light in tissue phantoms – effect of collection geometry 222 (2003) 93
Gong, M., see Liu, Q. 222 (2003) 355
Grand, Y.L., see Rouède, D. 222 (2003) 289
Grover, C.P., see Chang, S. 222 (2003) 143
Guilloux-Viry, M., see Rouède, D. 222 (2003) 289
Guiyun, K., see Yonglin, H. 222 (2003) 191
Gupta, P.K., see Ghosh, N. 222 (2003) 93
Gupta, P.K., see Mukhopadhyay, P.K. 222 (2003) 399

Halbritter, H., see Riemenschneider, F. 222 (2003) 341
Hernández-Figueroa, H.E., see Dartora, C.A. 222 (2003) 75
Horváth, Z.L. and Z. Bor, Focusing of truncated Gaussian beams 222 (2003) 51

Ishitobi, H., see Sekkat, Z. 222 (2003) 269

Jain, B., see Ghosh, N. 222 (2003) 93
Jie, L., see Yonglin, H. 222 (2003) 191
Johannisson, P., D. Anderson, M. Lisak and M. Marklund, Nonlinear Bessel beams 222 (2003) 107

Kagan, J., see Lando, M. 222 (2003) 371
Kaler, R.S., see Kumar, H. 222 (2003) 197
Kamal, T.S., see Kumar, H. 222 (2003) 197
Kaur Anand, J., see Thyagarajan, K. 222 (2003) 227
Kawata, S., see Sekkat, Z. 222 (2003) 269
Keffous, A., M. Siad, Y. Belkacem, M.A. Zitouni, N. Benrakaa, H. Menari, A. Dahmani, W. Chergui and A. Cheriet, Effect of the lithium diffusion into n-type silicon on the spectral response of the Schottky photodiodes 222 (2003) 299
Knudsen, E. and A. Bjarklev, Modelling photonic crystal fibres with Hermite–Gaussian functions 222 (2003) 155
Kugel, G., see Wolfersberger, D. 222 (2003) 383
Kumar, H., R.S. Kaler, T.S. Kamal and A.K. Sharma, Performance of optical DSB signal based millimeter wave communication system with higher-order dispersion 222 (2003) 197
Kuroda, K., see Ashihara, S. 222 (2003) 421

Lai, Y.C., see Michaille, L. 222 (2003) 1
Lakhtakia, A., see Sherwin, J.A. 222 (2003) 305
Lando, M., J. Kagan, B. Linyekin and V. Dobrusin, A solar-pumped Nd:YAG laser in the high collection efficiency regime 222 (2003) 371
Lang, F., see Froehly, L. 222 (2003) 127
Lasser, T., see Froehly, L. 222 (2003) 127
Lebedev, V.A., see De Backer, A. 222 (2003) 351
Lemarchand, F., see Floriot, J. 222 (2003) 101
Lequime, M., see Floriot, J. 222 (2003) 101
Leroy, L., see Rouède, D. 222 (2003) 289
Lhommé, F., see Wolfersberger, D. 222 (2003) 383
Li, S., see Miao, H. 222 (2003) 179
Li, P., J. Shuisheng, Y. fengping, N. Tigang and W. Zhi, Long-haul WDM system through conventional single mode optical fiber with dispersion compensation by chirped fiber Bragg grating 222 (2003) 169
Linyekin, B., see Lando, M. 222 (2003) 371
Lisak, M., see Johannisson, P. 222 (2003) 107
Liu, Q., H. Wu, M. Gong, P. Yan, B. Shi and D. Wang, GaAs as a passive Q-switch and Brewster plate for pulsed Yb:YAG laser 222 (2003) 355
Lu, P., L. Chen, S.J. Mihailov and X. Bao, Statistical distribution of pulse broadening/narrowing due to the interaction of polarization mode dispersion and frequency chirp in dispersion-shifted fiber 222 (2003) 243

Marklund, M., see Johannisson, P. 222 (2003) 107
Martin, S.N., see Froehly, L. 222 (2003) 127
Maute, M., see Riemenschneider, F. 222 (2003) 341
McCall, M.W., see Michaille, L. 222 (2003) 1
Meissner, P., see Riemenschneider, F. 222 (2003) 341
Menari, H., see Keffous, A. 222 (2003) 299

Mendonça, J.T. and H. Crespo, Sliding resonance of parametric optical processes 222 (2003) 405
Miao, H., C. Yang, S. Li and Y. Yan, Feed-forward polarization mode dispersion compensation with a step control algorithm 222 (2003) 179
Michaille, L., M.W. McCall, Y.C. Lai and J.A.R. Williams, Analysis of single and multiple, non-permanent, tunable, birefringent spectral holes in a fibre-Bragg grating stop-band produced via uniaxial pressure 222 (2003) 1
Mihailov, S.J., see Lu, P. 222 (2003) 243
Mizuuchi, K., see Ashihara, S. 222 (2003) 421
Monterola, C. and C. Saloma, Solving the nonlinear Schrödinger equation with an unsupervised neural network: estimation of error in solution 222 (2003) 331
Mora, J., B. Ortega, J.L. Cruz, J. Capmany, D. Pastor and M.V. Andrés, White light sources filtered with fiber Bragg gratings for RF-photonics applications 222 (2003) 221
Mukhopadhyay, P.K., M.B. Alsous, K. Ranganathan, S.K. Sharma, P.K. Gupta, J. George and T.P.S. Nathan, Simultaneous Q-switching and mode-locking in an intracavity frequency doubled diode-pumped Nd:YVO_4/KTP green laser with Cr^{4+}:YAG 222 (2003) 399

Nakatsuka, M., see Yoshida, H. 222 (2003) 257
Nathan, T.P.S., see Mukhopadhyay, P.K. 222 (2003) 399
Nilsson, J., see Soh, D.B.S. 222 (2003) 235
Nishina, J., see Ashihara, S. 222 (2003) 421
Nóbrega, K.Z., see Dartora, C.A. 222 (2003) 75

Oh, K., see Choi, S. 222 (2003) 213
Ortega, B., see Mora, J. 222 (2003) 221

Pastor, D., see Mora, J. 222 (2003) 221
Patel, H.S., see Ghosh, N. 222 (2003) 93
Primot, J., Theoretical description of Shack–Hartmann wave-front sensor 222 (2003) 81

Qasaimeh, O., An analytical model for quantum dot semiconductor optical amplifiers 222 (2003) 277

Rajeev, P.P. and G. Ravindra Kumar, Polarization independent hot electron production from modulated solid surfaces 222 (2003) 9
Ranganathan, K., see Mukhopadhyay, P.K. 222 (2003) 399
Ravindra Kumar, G., see Rajeev, P.P. 222 (2003) 9
Razdobreev, I.M., see De Backer, A. 222 (2003) 351
Recami, E., see Dartora, C.A. 222 (2003) 75
Riemenschneider, F., I. Sagnes, G. Böhm, H. Halbritter, M. Maute, C. Symonds, M.-C. Amann and P. Meissner, A new concept for tunable long wavelength VCSEL 222 (2003) 341
Rioux, M., see Chang, S. 222 (2003) 143
Robinson, I.K., see Vartanyants, I.A. 222 (2003) 29
Rouède, D., Y.L. Grand, L. Leroy, J.R. Duclère and M. Guilloux-Viry, Nonlinear optical properties and domain microstructure of epitaxial $SrBi_2Nb_2O_9$ thin films on $SrTiO_3$ and on MgO substrates studied by second-harmonic generation 222 (2003) 289

Sagnes, I., see Riemenschneider, F. 222 (2003) 341
Sahu, J.K., see Soh, D.B.S. 222 (2003) 235

Saloma, C., see Monterola, C. 222 (2003) 331
Santhanam, J. and G.P. Agrawal, Raman-induced spectral shifts in optical fibers: general theory based on the moment method 222 (2003) 413
Sekkat, Z., H. Ishitobi and S. Kawata, Two-photon isomerization and orientation of photoisomers in thin films of polymer 222 (2003) 269
Sharma, A.K., see Kumar, H. 222 (2003) 197
Sharma, S.K., see Mukhopadhyay, P.K. 222 (2003) 399
Sherwin, J.A. and A. Lakhtakia, Nominal model for the optical response of a chiral sculptured thin film infiltrated by an isotropic chiral fluid-oblique incidence 222 (2003) 305
Shi, B., see Liu, Q. 222 (2003) 355
Shimura, T., see Ashihara, S. 222 (2003) 421
Shuisheng, J., see Li, P. 222 (2003) 169
Shuzhong, Y., see Yonglin, H. 222 (2003) 191
Siad, M., see Keffous, A. 222 (2003) 299
Singh, B.N., see Ghosh, N. 222 (2003) 93
Soh, D.B.S., J. Nilsson, J.K. Sahu and L.J. Cooper, Geometrical factor modification of helical-core fiber radiation loss formula 222 (2003) 235
Soto, H., see Alvarez, E. 222 (2003) 161
Stroganova, E.V., see De Backer, A. 222 (2003) 351
Sugita, T., see Ashihara, S. 222 (2003) 421
Symonds, C., see Riemenschneider, F. 222 (2003) 341
Szriftgiser, P., see De Backer, A. 222 (2003) 351

Tanner, C.E., see Gerginov, V. 222 (2003) 17
Thyagarajan, K. and J. Kaur Anand, Intrinsically gain-flattened staircase profile erbium doped fiber amplifier 222 (2003) 227
Tigang, N., see Li, P. 222 (2003) 169
Torres, J., see Alvarez, E. 222 (2003) 161
Tsai, J.-K., see Cheng, D.-L. 222 (2003) 363

Vartanyants, I.A. and I.K. Robinson, Origins of decoherence in coherent X-ray diffraction experiments 222 (2003) 29
Visser, T.D., see Gbur, G. 222 (2003) 117
Vlachos, K.G., Optical clock recovery and clock division at 20 Gb/s using a tunable semiconductor fiber ring laser 222 (2003) 249
Vodonos, B., see Atkins, S. 222 (2003) 393
Voroshilov, I.V., see De Backer, A. 222 (2003) 351

Wang, Q., see Wang, H. 222 (2003) 69
Wang, H., Z. Zhang, L. Chai and Q. Wang, A method to analyse Talbot array illumination of an arbitrary multiple phase grating 222 (2003) 69
Wang, D., see Liu, Q. 222 (2003) 355
Williams, J.A.R., see Michaille, L. 222 (2003) 1
Wolfersberger, D., F. Lhommé, N. Fressengeas and G. Kugel, Simulation of the temporal behavior of one single laser pulse in a photorefractive medium 222 (2003) 383
Wu, H., see Liu, Q. 222 (2003) 355

Xiaoyi, D., see Yonglin, H. 222 (2003) 191
Xiurong, M., see Yonglin, H. 222 (2003) 191

Yamamoto, K., see Ashihara, S. 222 (2003) 421
Yan, Y., see Miao, H. 222 (2003) 179
Yan, P., see Liu, Q. 222 (2003) 355
Yang, C., see Miao, H. 222 (2003) 179
Yen, T.-C., see Cheng, D.-L. 222 (2003) 363
Yonglin, H., L. Jie, M. Xiurong, K. Guiyun, Y. Shuzhong and D. Xiaoyi, High extinction ratio Mach–Zehnder interferometer filter and implementation of single-channel optical switch 222 (2003) 191
Yoshida, H., H. Fujita, M. Nakatsuka, A. Fujinoki and K. Yoshida, Fused-quartz glass with low optical quality as a high damage-resistant stimulated Brillouin-scattering phase-conjugation mirror 222 (2003) 257
Yoshida, K., see Yoshida, H. 222 (2003) 257

Zamboni-Rached, M., see Dartora, C.A. 222 (2003) 75
Zeng, X. and Y. An, Error analysis for the far-field of a small plane source 222 (2003) 137
Zhang, Z., see Wang, H. 222 (2003) 69
Zhi, W., see Li, P. 222 (2003) 169
Zitouni, M.A., see Keffous, A. 222 (2003) 299

ELSEVIER

Available online at www.sciencedirect.com

SCIENCE DIRECT®

Optics Communications 222 (2003) 435–438

OPTICS COMMUNICATIONS

www.elsevier.com/locate/optcom

Subject index to volume 222

Propagation and scattering

L. Michaille, M.W. McCall, Y.C. Lai and J.A.R. Williams, Analysis of single and multiple, non-permanent, tunable, birefringent spectral holes in a fibre-Bragg grating stop-band produced via uniaxial pressure 1

P.P. Rajeev and G. Ravindra Kumar, Polarization independent hot electron production from modulated solid surfaces 9

V. Gerginov and C.E. Tanner, Fluorescence of a highly collimated atomic cesium beam: theory and experiment 17

I.A. Vartanyants and I.K. Robinson, Origins of decoherence in coherent X-ray diffraction experiments 29

Z.L. Horváth and Z. Bor, Focusing of truncated Gaussian beams 51

H. Wang, Z. Zhang, L. Chai and Q. Wang, A method to analyse Talbot array illumination of an arbitrary multiple phase grating 69

C.A. Dartora, M. Zamboni-Rached, K.Z. Nóbrega, E. Recami and H.E. Hernández-Figueroa, General formulation for the analysis of scalar diffraction-free beams using angular modulation: Mathieu and Bessel beams 75

J. Primot, Theoretical description of Shack–Hartmann wave-front sensor 81

N. Ghosh, P.K. Gupta, H.S. Patel, B. Jain and B.N. Singh, Depolarization of light in tissue phantoms – effect of collection geometry 93

J. Floriot, F. Lemarchand and M. Lequime, Double coherent solid-spaced filters for very narrow-bandpass filtering applications 101

P. Johannisson, D. Anderson, M. Lisak and M. Marklund, Nonlinear Bessel beams 107

G. Gbur and T.D. Visser, Coherence vortices in partially coherent beams 117

L. Froehly, S.N. Martin, T. Lasser, C. Depeursinge and F. Lang, Multiplexed 3D imaging using wavelength encoded spectral interferometry: a proof of principle 127

X. Zeng and Y. An, Error analysis for the far-field of a small plane source 137

Optical information, image formation and analysis, optical computing

S. Chang, M. Rioux and C.P. Grover, Range face recognition based on the phase Fourier transform 143

doi:10.1016/S0030-4018(03)01665-1

Optical communications

E. Knudsen and A. Bjarklev, Modelling photonic crystal fibres with Hermite–Gaussian functions 155

E. Alvarez, H. Soto and J. Torres, Investigation of the carrier density dependence on the confinement factor in a bulk semiconductor optical amplifier with a ridge waveguide 161

P. Li, J. Shuisheng, Y. fengping, N. Tigang and W. Zhi, Long-haul WDM system through conventional single mode optical fiber with dispersion compensation by chirped fiber Bragg grating 169

H. Miao, C. Yang, S. Li and Y. Yan, Feed-forward polarization mode dispersion compensation with a step control algorithm 179

H. Yonglin, L. Jie, M. Xiurong, K. Guiyun, Y. Shuzhong and D. Xiaoyi, High extinction ratio Mach–Zehnder interferometer filter and implementation of single-channel optical switch 191

H. Kumar, R.S. Kaler, T.S. Kamal and A.K. Sharma, Performance of optical DSB signal based millimeter wave communication system with higher-order dispersion 197

J.-C. Dung, S. Chi and C.-C. Chen, Characteristics of the erbium doped fiber amplifier with polarization mode dispersion compensation 207

S. Choi and K. Oh, A new LP_{02} mode dispersion compensation scheme based on mode converter using hollow optical fiber 213

J. Mora, B. Ortega, J.L. Cruz, J. Capmany, D. Pastor and M.V. Andrés, White light sources filtered with fiber Bragg gratings for RF-photonics applications 221

K. Thyagarajan and J. Kaur Anand, Intrinsically gain-flattened staircase profile erbium doped fiber amplifier 227

D.B.S. Soh, J. Nilsson, J.K. Sahu and L.J. Cooper, Geometrical factor modification of helical-core fiber radiation loss formula 235

P. Lu, L. Chen, S.J. Mihailov and X. Bao, Statistical distribution of pulse broadening/narrowing due to the interaction of polarization mode dispersion and frequency chirp in dispersion-shifted fiber 243

Atomic and molecular physics

K.G. Vlachos, Optical clock recovery and clock division at 20 Gb/s using a tunable semiconductor fiber ring laser 249

Condensed matter

H. Yoshida, H. Fujita, M. Nakatsuka, A. Fujinoki and K. Yoshida, Fused-quartz glass with low optical quality as a high damage-resistant stimulated Brillouin-scattering phase-conjugation mirror 257

Z. Sekkat, H. Ishitobi and S. Kawata, Two-photon isomerization and orientation of photoisomers in thin films of polymer 269

O. Qasaimeh, An analytical model for quantum dot semiconductor optical amplifiers 277

D. Rouède, Y.L. Grand, L. Leroy, J.R. Duclère and M. Guilloux-Viry, Nonlinear optical properties and domain microstructure of epitaxial $SrBi_2Nb_2O_9$ thin films on $SrTiO_3$ and on MgO substrates studied by second-harmonic generation 289

A. Keffous, M. Siad, Y. Belkacem, M.A. Zitouni, N. Benrakaa, H. Menari, A. Dahmani, W. Chergui and A. Cheriet, Effect of the lithium diffusion into n-type silicon on the spectral response of the Schottky photodiodes 299

J.A. Sherwin and A. Lakhtakia, Nominal model for the optical response of a chiral sculptured thin film infiltrated by an isotropic chiral fluid-oblique incidence 305

Quantum optics

C. Monterola and C. Saloma, Solving the nonlinear Schrödinger equation with an unsupervised neural network: estimation of error in solution 331

Laser physics and laser sources

F. Riemenschneider, I. Sagnes, G. Böhm, H. Halbritter, M. Maute, C. Symonds, M.-C. Amann and P. Meissner, A new concept for tunable long wavelength VCSEL 341

A. De Backer, J.C. Garreau, I.M. Razdobreev, P. Szriftgiser, I.V. Voroshilov, V.A. Lebedev and E.V. Stroganova, Laser performance of new crystal Cr^{3+}:(CeGd) $Sc_3(BO_3)_4$ 351

Q. Liu, H. Wu, M. Gong, P. Yan, B. Shi and D. Wang, GaAs as a passive Q-switch and Brewster plate for pulsed Yb:YAG laser 355

D.-L. Cheng, T.-C. Yen, J.-W. Chang and J.-K. Tsai, Generation of high-speed single-wavelength optical pulses in semiconductor lasers with orthogonal-polarization optical feedback 363

M. Lando, J. Kagan, B. Linyekin and V. Dobrusin, A solar-pumped Nd:YAG laser in the high collection efficiency regime 371

D. Wolfersberger, F. Lhommé, N. Fressengeas and G. Kugel, Simulation of the temporal behavior of one single laser pulse in a photorefractive medium 383

S. Atkins, B. Vodonos, A. Bekker and B. Fischer, Fractional dispersion-modes in a pulsed fiber laser 393

P.K. Mukhopadhyay, M.B. Alsous, K. Ranganathan, S.K. Sharma, P.K. Gupta, J. George and T.P.S. Nathan, Simultaneous *Q*-switching and mode-locking in an intracavity frequency doubled diode-pumped Nd:YVO_4/KTP green laser with Cr^{4+}:YAG 399

Nonlinear optics

J.T. Mendonça and H. Crespo, Sliding resonance of parametric optical processes 405

J. Santhanam and G.P. Agrawal, Raman-induced spectral shifts in optical fibers: general theory based on the moment method 413

S. Ashihara, J. Nishina, T. Shimura, K. Kuroda, T. Sugita, K. Mizuuchi and K. Yamamoto, Nonlinear refraction of femtosecond pulses due to quadratic and cubic nonlinearities in periodically poled lithium tantalate 421